

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 3033.1002-001	APPLICATION NO. 09/909,122				
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT Darrell H. Carney et al.					
October 29, 2001 DEC 07 2001 (Use several sheets if necessary)		FILING DATE July 19, 2001	GROUP Not assigned.				
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>MPD</i>	AR3	Crowther, R.S., et al., "Thrombin Peptide TP508 Significantly Accelerates Repair of Fresh Fractures," Distributed at Texas Mineralized Tissue Society, Austin, Texas. August 1998.					
	AS3	Simmons, D.J., et al., "Acceleration of Rat Femoral Fracture Healing by a Synthetic Thrombin Peptide," Calcium Metabolism: Comparative Endocrinology. Proc Satellite Meeting, San Francisco, CA. Nov. 30, 1998. (Eds. C Dacke, J Danks, G Flik and C Gay). BioScientifica Ltd. Bradley Stoke, Bristol, UK. 1999.					
EXAMINER <i>John Neely</i>	DATE CONSIDERED <i>6/25/03</i>						

Paper No: 3

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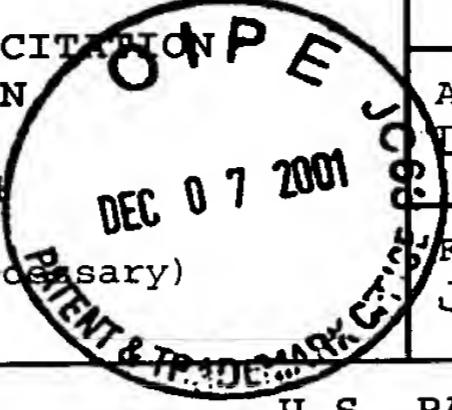
AR2	Kirker-Head, C.A., et al., "Healing Bone Using Recombinant Human Bone Morphogenetic Protein 2 and Copolymer," <i>Clin. Orth. & Related Res.</i> 349:205-217 (1998).
AS2	Kirker-Head, C.A., et al., "Long-Term Healing of Bone Using Recombinant Human Bone Morphogenetic Protein 2," <i>Clinical Orth.</i> 222-230 (1995).
AT2	Carney, D.H., "Postclotting Cellular Effects of Thrombin Mediated by Interaction With High-Affinity Thrombin Receptors," in <i>Thrombin: Structure and Function</i> , ed. Lawrence J. Berliner. Plenum Press, New York, 351-396, 1992.
AU2	Stiernberg, J., et al., "The Role of Thrombin and Thrombin Receptor Activating Peptide (TRAP-508) in Initiation of Tissue Repair," <i>Thrombosis & Haemostasis</i> 70(1):158-162 (1995).
AV2	Carney, D.H., et al., "Enhancement of Incisional Wound Healing and Neovascularization in Normal Rats by Thrombin and Synthetic Thrombin Receptor-Activating Peptides," <i>J. Clin. Invest.</i> 89:1469-1477 (1992).
AW2	Carney, D.H., et al., "Role of High-Affinity Thrombin Receptors in Postclotting Cellular Effects of Thrombin," <i>Seminars in Thrombosis and Hemostasis</i> 18(1):91-102 (1992).
AX2	Stiernberg, J., et al., "Acceleration of Full-Thickness Wound Healing in Normal Rats by the Synthetic Thrombin Peptide, TP508," <i>Wound Repair and Regeneration</i> 8(3):204-215 (2000).
AY2	Glenn, K.C., et al., "Synthetic Peptides Bind to High-Affinity Thrombin Receptors and Modulate Thrombin Mitogenesis," <i>Peptide Res.</i> 1(2):65-73 (1998).
AZ2	Sower, L.E., et al., "Thrombin Peptide, TP508, Induces Differential Gene Expression in Fibroblasts Through a Nonproteolytic Activation Pathway," <i>Exp. Cell Res.</i> 247:422-431 (1999).

EXAMINER

DATE CONSIDERED

6/25/03

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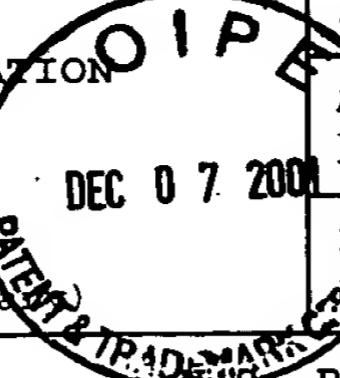
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ATTORNEY DOCKET NO.
3033.1002-001APPLICATION NO.
09/909,122INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

October 29, 2001

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APPLICANT
Darrell H. Carney et al.FILING DATE
July 19, 2001GROUP
Not assigned

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PAPER NO 3

PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE 10/04/94 APPROPRIATE
(W)	AA	5,352,664	10/04/94	Carney et al.	514	13	10/04/94
(D)	AB	5,500,412	03/19/96	Carney et al.	514	13	—

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

(M)	AR	Alden, T.D., et al., "The Use of Bone Morphogenetic Protein Gene Therapy in Craniofacial Bone Repair," <i>J. of Craniofacial Surgery</i> 11(1):24-30 (2000).
	AS	Lind, M., et al., "Osteogenic Protein 1 Device Stimulates Bone Healing to Hydroxyapatite-Coated and Titanium Implants," <i>J. of Arthroplasty</i> 15(3):339-346 (2000).
	AT	Lee, Y.M., et al., "The Bone Regenerative Effect of Platelet-Derived Growth Factor-BB Delivered with a Chitosan/Tricalcium Phosphate Sponge Carrier," <i>J. of Periodontology</i> 71(3): 418-424 (2000).
	AU	Brager, M.A., et al., "Osteogenic Growth Peptide Normally Stimulated by Blood Loss and Marrow Ablation has Local and Systemic Effects on Fracture Healing in Rats," <i>J. of Orthopaedic Res.</i> 18(1):133-139 (2000).
	AV	Hong, L, et al., "Bone Regeneration at Rabbit Skull Defects Treated with Transforming Growth Factor- β 1 Incorporated into Hydrogels with Different Levels of Biodegradability," <i>J. of Neurosurgery</i> 92(2):315-325 (2000).
	AW	Heckman, J.D., et al., "Bone Morphogenetic Protein But Not Transforming Growth Factor- β Enhances Bone Formation in Canine Diaphyseal Nonunions Implanted with a Biodegradable Composite Polymer," <i>J. of Bone & Joint Surgery</i> 81(12): 1717-1729 (1999).
	AX	Radomsky, M.L, et al., "Novel Formulation of Fibroblast Growth Factor-2 in a Hyaluronan Gel Accelerates Fracture Healing in Nonhuman Primates," <i>J. of Orthopaedic Res.</i> 17(4):607-614 (1999).
	AY	Boyan, B.D., et al., "Potential of Porous Poly-D,L-Lactide-Co-Glycolide Particles as a Carrier for Recombinant Human Bone Morphogenetic Protein-2 During Osteoinduction In Vivo," <i>J. of Bio. Materials Res.</i> 46(1):51-59 (1999).
(R)	AZ	Kato, T., et al., "Single Local Injection of Recombinant Fibroblast Growth Factor-2 Stimulates Healing of Segmental Bone Defects in Rabbits," <i>J. of Orthopaedic Res.</i> 16(6):654-659 (1998).

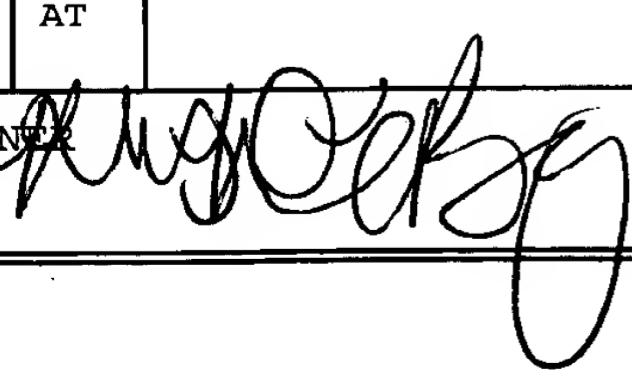
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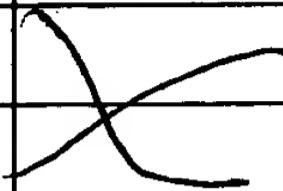
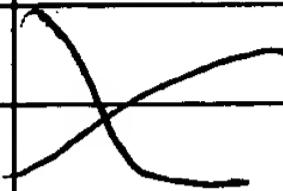
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PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 3033.1002-001		APPLICATION NO. 09/909,122			
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION							
<p style="text-align: center;">JUL 26 2001 PATENT & TRADEMARK OFFICE U.S. PATENT DOCUMENTS</p>							
(Use several sheets if necessary)		APPLICANT Darrell H. Carney, et al.					
July 22, 2001		FILING DATE July 19, 2001		GROUP 1645 1647			
U. S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
(RN)	AC	4,563,489	01/07/86	Urist	524	21	
	AD						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
(RN)	AL	WO 88/03151	05/MAY/88	PCT			
	AM						
	AN						
	AO						
	AP						
	AQ						
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	AR						
	AS						
	AT						
EXAMINER 			DATE CONSIDERED 6/25/03				

paper no. 5

PTO-1449 REPRODUCED				ATTORNEY DOCKET NO. 3033.1002-001	APPLICATION NO. 09/909,122		
3rd SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION November 5, 2002 (Use several sheets if necessary)		 PATENT & TRADEMARK OFFICE NOV 08 2002		APPLICANT Darrell H. Carney, et al.	RECEIVED		
		FILING DATE July 19, 2001	GROUP 1647	NOV 13 2002			
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
ND	AD	5,876,452	03/02/99	Athanasiou et al.	623	16	
ND	AE	6,001,352	12/14/99	Boyan et al.	424	93.7	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
JPW	AM✓	WO 99/08728	25-FEB-99	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
MM	AU3✓	Stiernberg, J., et al., "Acceleration of full-thickness wound healing in normal rats by the synthetic thrombin peptide TP508," <i>Wound Rep Reg</i> , 8(3):204-215, (2000).					
MM	AV3<	Wang, H., et al., "Effect of TP508, A thrombin-related peptide, on Cbfal, VEGF, and collagen type II expression during femoral fracture healing," <i>Molecular Biology of the Cell</i> , 2:243a (2000).					
EXAMINER <i>R McElroy</i>			DATE CONSIDERED <i>6/25/03</i>				

paper No. 7